

Converting Colors

$Y_{xy}(45.2988, 0.2301, 0.2559)$

Have a look what the booklet for
Yxy(45.2988, 0.2301, 0.2559)
contains.

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Color

Yxy(45.1735, 0.2305, 0.2561)

Conversions

Conversions Part 1

Format	Color
Hex	73BAF2
RGB	115, 186, 242
RGB Percent	45%, 73%, 95%
CMY	0.5488, 0.2706, 0.0511
CMYK	0.52, 0.23, 0.00, 0.05
HSL	206°, 83%, 70%
HSV	206°, 52%, 95%
XYZ	40.6579, 45.1735, 90.5587
YIQ	171.1550, -60.2920, 2.3640

Conversions

Conversions Part 2

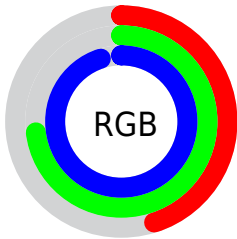
Format	Color
R _Y B	115, 161, 242
Decimal	7584498
CIE Lab	73.01, -6.91, -34.63
CIE LCh	73, 35.309, 258.716
Yxy	45.1735, 0.2305, 0.2561
Android (android.graphics.Color)	4285774578 (0xFF73BAF2)
YUV	171.1550, 34.9266, -49.2479
Hunter-Lab	67.2112, -9.6401, -32.8379

Details

The Yxy color **45.1735, 0.2305, 0.2561** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **49.2499, 0.4294, 0.3896**, and the grayscale version is **40.6573, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.7229, 0.2654, 0.3146**, and **21.0503, 0.2091, 0.2359** is the 20% darker color. If you saturate the color by 10%, you get **39.4135, 0.2167, 0.2391**, and if you desaturate by 10%, it is **51.7032, 0.2455, 0.2724**.

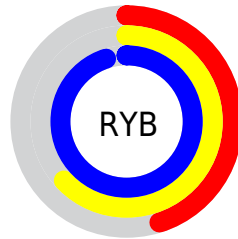
Distribution



Red (45%)

Green (73%)

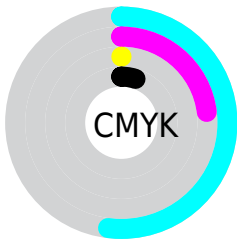
Blue (95%)



Red (45%)

Yellow (63%)

Blue (95%)

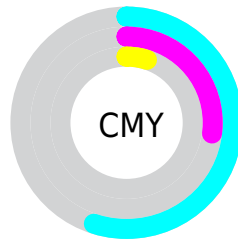


Cyan (52%)

Magenta (23%)

Yellow (0%)

Black (5%)



Cyan (55%)

Magenta (27%)

Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.1735, 0.2305, 0.2561 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 45.1735, 0.2305, 0.2561 by changing the saturation by 10% instead.

■ 45.1735, 0.2305,
0.2561

■ 45.1735, 0.2305,
0.2561

■ 367.4758, 0.2703,
0.2921

■ 31.5941, 0.2211,
0.2474

■ 82.9807, 0.2446,
0.2690

■ 21.0517, 0.2095,
0.2365

■ 107.9773, 0.2500,
0.2739

■ 13.1618, 0.1946,
0.2224

■ 137.5484, 0.2546,
0.2781

■ 7.5400, 0.1752,
0.2036

■ 172.0785, 0.2586,
0.2817

■ 3.8021, 0.1490,
0.1778

■ 211.9519, 0.2621,
0.2848

■ 1.5635, 0.1132,
0.1413

■ 257.5529, 0.2651,

■ 0.3328, 0.0318,

0.2875

0.0716

309.2661, 0.2678,
0.2900

0.0000, 0.0000,
0.0000

45.1735, 0.2305,
0.2561

45.1735, 0.2305,
0.2561

39.4135, 0.2167,
0.2391

51.7032, 0.2455,
0.2724

34.3764, 0.2045,
0.2217

59.0354, 0.2613,
0.2877

30.0167, 0.1944,
0.2044


67.2065, 0.2773,
0.3018

26.2787, 0.1866,
0.1876

76.2489, 0.2933,
0.3147

23.8078, 0.1820,
0.1753

86.1928, 0.3090,
0.3263

 96.0593, 0.3207,
0.3368

 99.1892, 0.3203,
0.3415

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



45.1735, 0.2222, 0.2821



45.1735, 0.2305, 0.2561



45.1735, 0.2590, 0.2497

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



45.1735, 0.2305, 0.2561



45.1735, 0.3957, 0.3240



45.1735, 0.3153, 0.4114

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



45.1735, 0.2305, 0.2561



49.2499, 0.4294, 0.3896

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



45.1735, 0.3635, 0.4185



45.1735, 0.2305, 0.2561



45.1735, 0.4124, 0.3636

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



45.1735, 0.2305, 0.2561



45.1735, 0.3545, 0.2878



45.1735, 0.3998, 0.3987



45.1735, 0.2686, 0.3754

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



45.1735, 0.2305, 0.2561



45.1735, 0.2875, 0.2557



45.1735, 0.3998, 0.3987



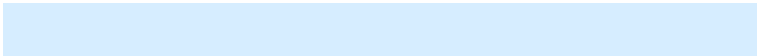
45.1735, 0.3319, 0.4172

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



45.1752, 0.2305, 0.2561



82.1178, 0.2876, 0.3102



70.0413, 0.2788, 0.4238



17.1249, 0.2843, 0.3076



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



45.1752, 0.2305, 0.2561



43.9602, 0.2157, 0.2378



24.3531, 0.2135, 0.1719



16.6944, 0.2980, 0.3183



13.0700, 0.1828, 0.1780



1.2853, 0.1888, 0.1996

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



34.6924, 0.3774, 0.2537



32.7946, 0.3976, 0.2418



78.6797, 0.3932, 0.4484



15.9068, 0.3206, 0.3159



11.1128, 0.4710, 0.2368



0.9445, 0.4457, 0.2229

Previews

White Background



This preview shows how the Yxy color 45.1735, 0.2305, 0.2561 looks on a white background.

Color Contrast Check

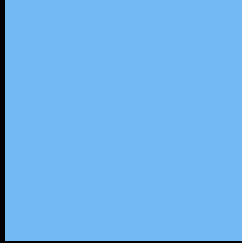
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 45.1735, 0.2305, 0.2561 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

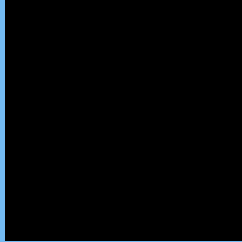
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

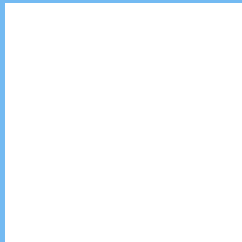
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.1735, 0.2305, 0.2561

Background



This preview shows how black text looks on a background with the Yxy color 45.1735, 0.2305, 0.2561.

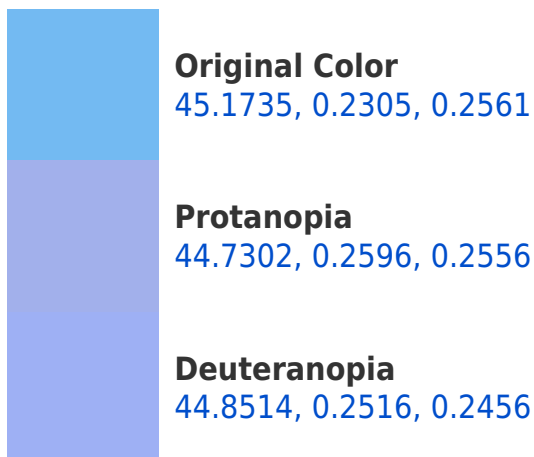


This preview shows how white text looks on a background with the Yxy color 45.1735, 0.2305, 0.2561.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy





Tritanopia

45.1369, 0.2430, 0.3061

Trichromacy



Original Color

45.1735, 0.2305, 0.2561

Protanomaly

44.8353, 0.2474, 0.2554

Deuteranomaly

44.8644, 0.2430, 0.2497

Tritanomaly

45.1200, 0.2382, 0.2875

Monochromacy



Original Color

45.1735, 0.2305, 0.2561

Achromatopsia

40.7240, 0.3127, 0.3290

Achromatomaly

41.6612, 0.2763, 0.3000

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.1735, 0.2305, 0.2561 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(115, 186, 242)` looks like.

```
.text, #text, p{  
    color:rgb(115, 186, 242)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(115, 186, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 186, 242) }
```

Border

The CSS property to change the border of an element to Yxy 45.1735, 0.2305, 0.2561 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(115, 186, 242) }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(115, 186, 242) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(115, 186, 242) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 186, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 186, 242);  
box-shadow:4px 4px 4px 4px rgb(115, 186,  
242) }
```


Background

The CSS property to change the background color of an element to Yxy 45.1735, 0.2305, 0.2561 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 186, 242) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(115,  
186, 242) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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